

# Anatomia Animal I

## UFF – CMB - MMO

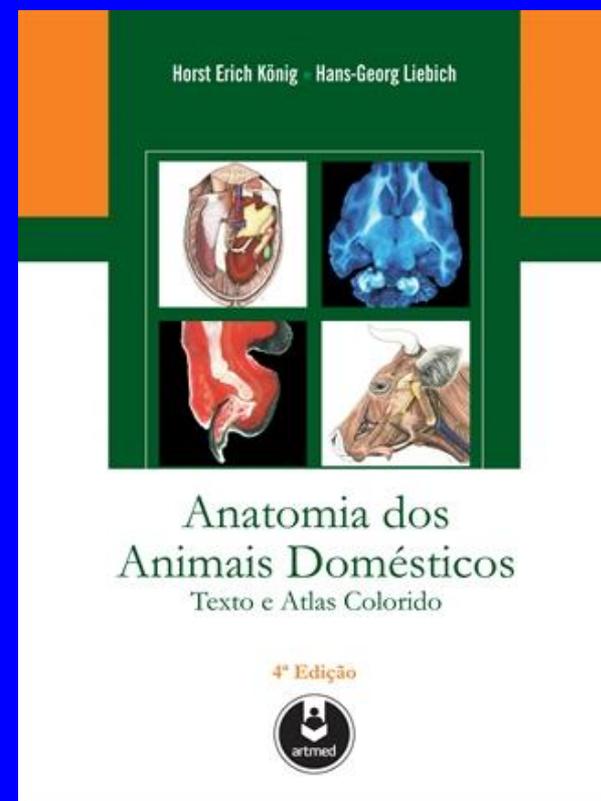
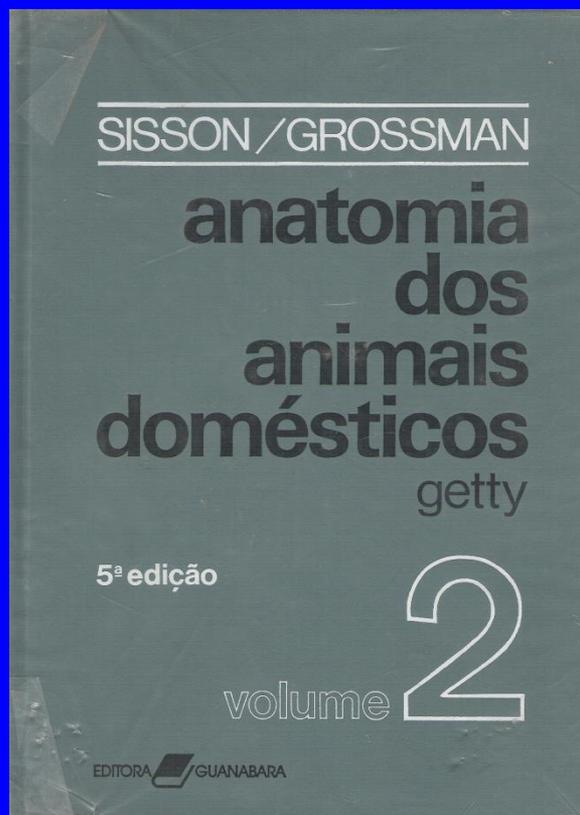
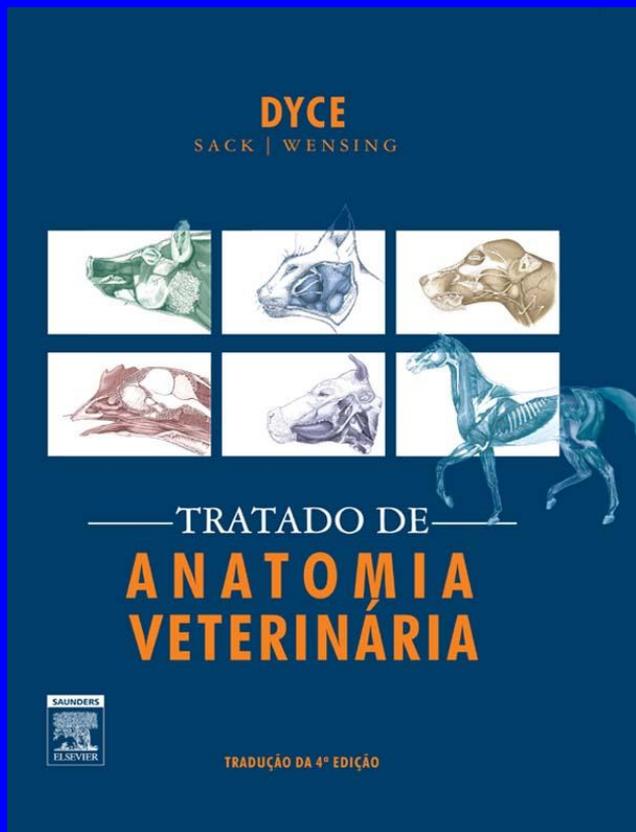


# **Aulas**

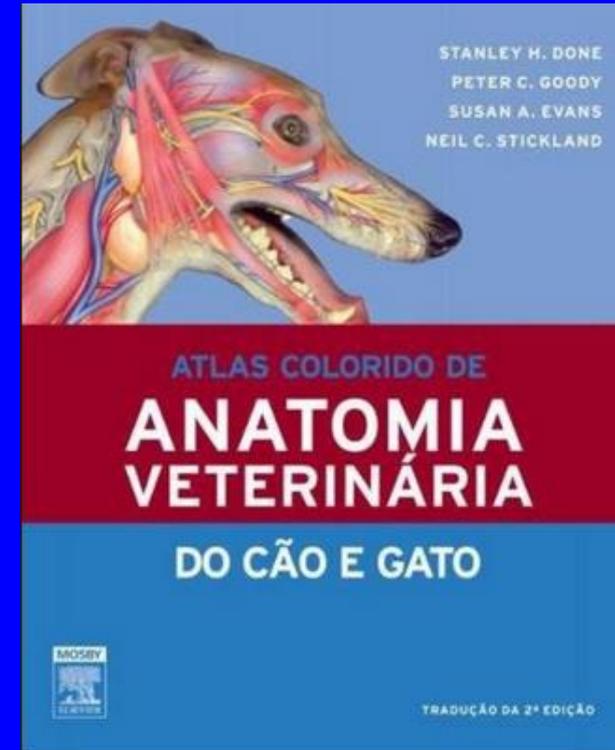
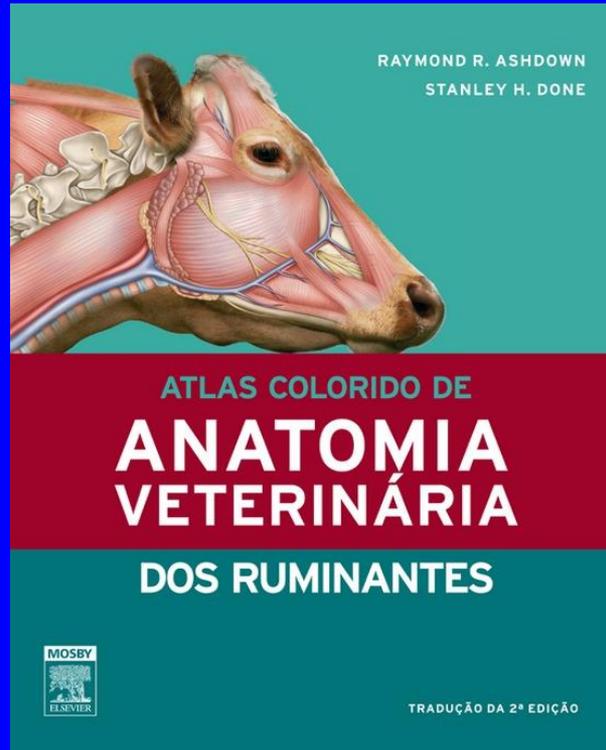
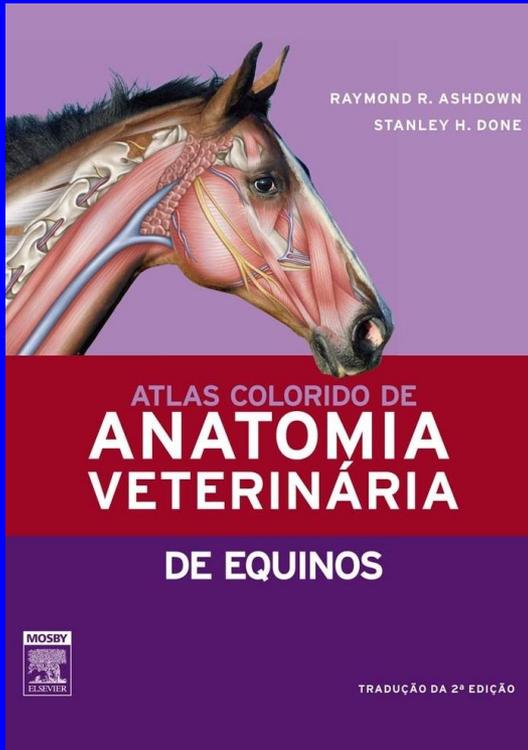
**Material necessário para aulas práticas:**

- **Jaleco branco**
- **Calça comprida**
- **Sapato fechado**
- **Luvas descartáveis**
- **Livros e caderno**

# Bibliografia Básica



# Bibliografia Básica



# Bibliografía Básica

## NOMINA ANATOMICA VETERINARIA

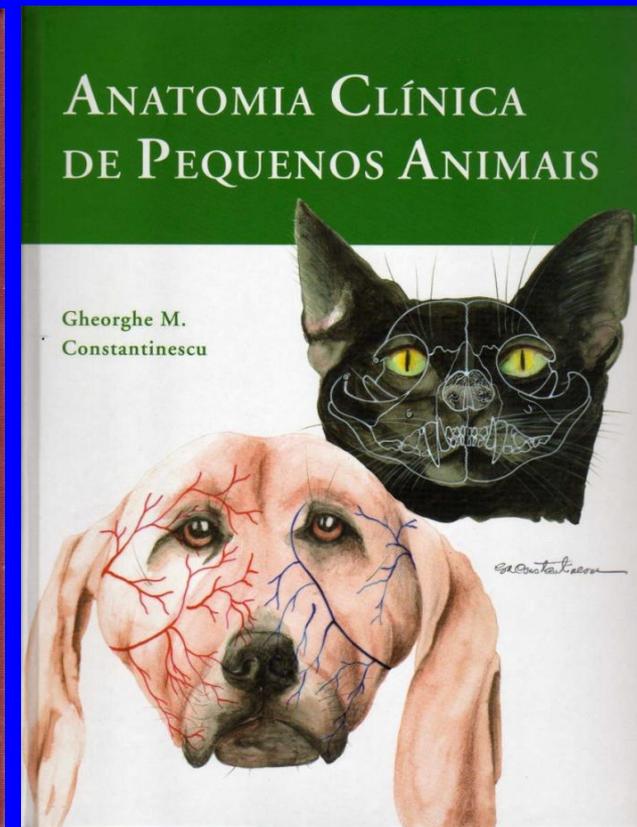
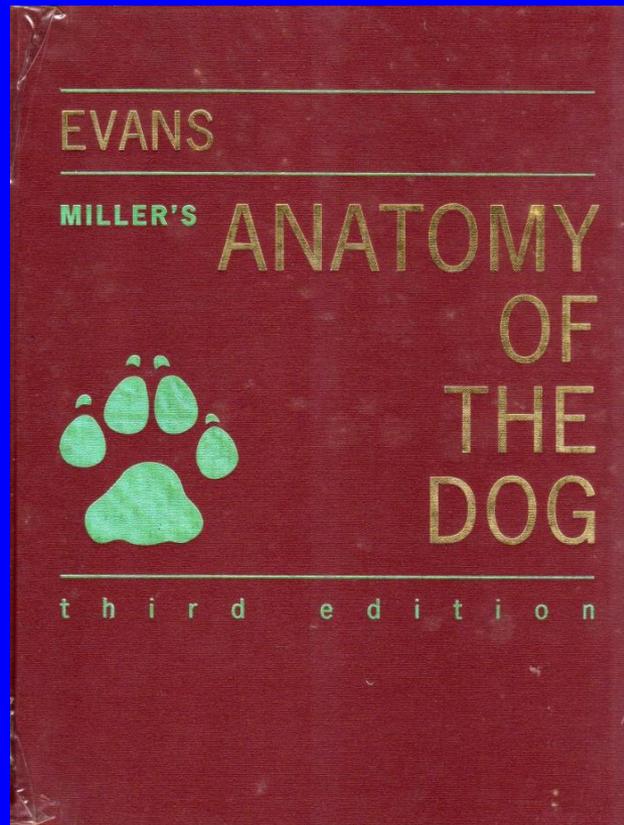
SIXTH EDITION

Prepared by the  
International Committee on  
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Published by the Editorial Committee  
Hanover (Germany), Ghent (Belgium), Columbia, MO (U.S.A.),  
Rio de Janeiro (Brazil)

2017

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# Bibliografia Complementar

ATLAS COLORIDO DE  
**ANATOMIA  
CLÍNICA  
DO CÃO  
E DO GATO**

J. S. Boyd



**ANATOMY  
OF THE HORSE**  
*An Illustrated Text*

SECOND EDITION



Klaus-Dieter Budras • W. O. Sack  
Sabine Röck  
M Mosby-Wolfe

PETER POPESKO

**ATLAS**

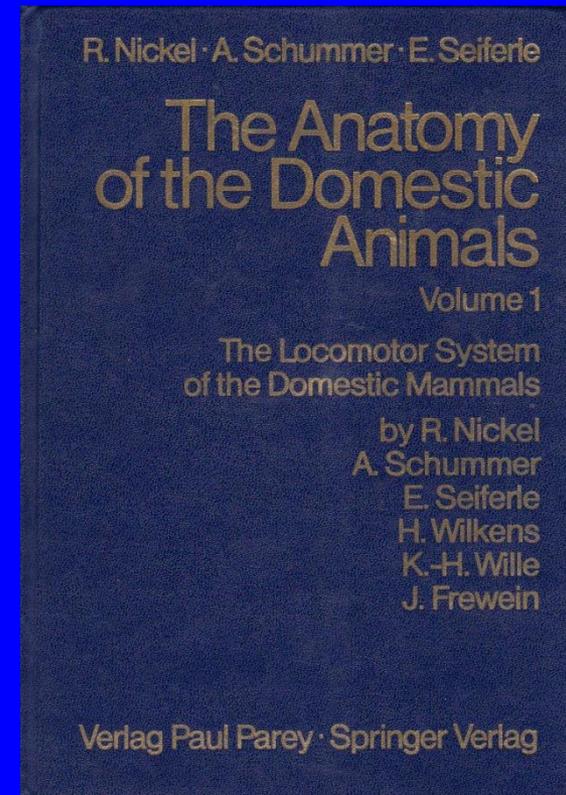
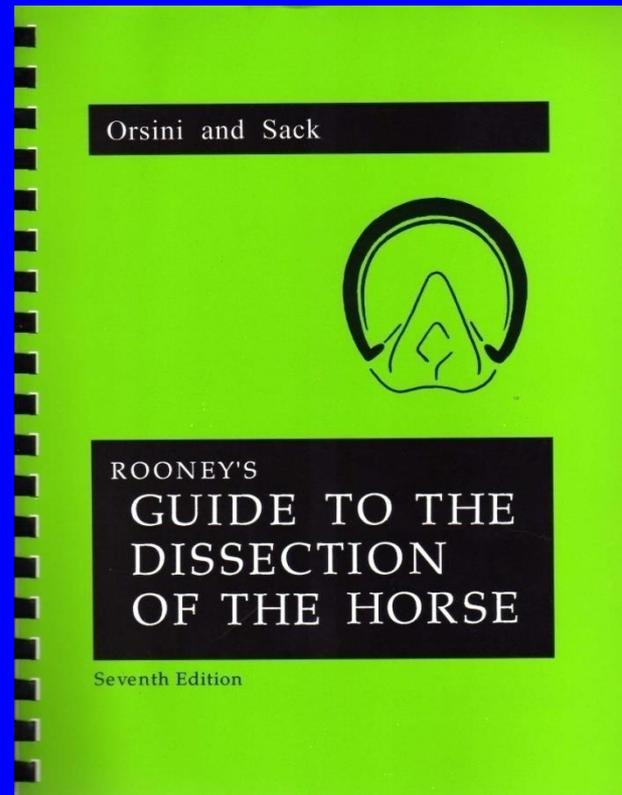
DE ANATOMIA  
TOPOGRÁFICA  
DOS ANIMAIS  
DOMÉSTICOS

VOLUME I-III



EDITORA  
LIPPINCOTT  
WILKINS &  
WILKINS

# Bibliografia Complementar



# **Introdução ao Estudo da Anatomia**

**Conceito – Anatomia x Morfologia**

**Divisão**

**Anatomia Macroscópica - Anatomia**

Anatomia Microscópica - Histologia

Anatomia do Desenvolvimento - Embriologia

# **Introdução ao Estudo da Anatomia**

## **Formas de estudo**

**Anatomia sistêmica**

**Anatomia topográfica**

**Anatomia comparada**

**Anatomia aplicada**

# **Nomina Anatomica Veterinaria**

## **Princípios**

- 1 – Um só termo para cada estrutura**
- 2 – Latim**
- 3 – Termos pequenos**
- 4 – Termos com valor descritivo**
- 5 – Nomes similares para estruturas próximas**
- 6 – Uso de antônimos para descrição**
- 7 – Não utilização de nomes próprios (epônimos)**

# Nomina Anatomica Veterinaria – 6 ed.

## NOMINA ANATOMICA VETERINARIA

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NOMINA ANATOMICA VETERINARIA (2017)

SPLANCHNOLOGIA

Lymphonoduli [Noduli lymphatici] bronchiales <sup>44</sup>	Ductuli alveolares
	Sacculi alveolares
	Alveoli pulmonis
<b>PULMO [DEXTER ET SINISTER]</b>	
Basis pulmonis	<b>CAVUM THORACIS</b>
Apex pulmonis	Fascia endothoracica
Facies costalis	Cavum pleurae
Facies medialis	Pleura
Pars vertebralis	Cupula pleurae
Pars mediastinalis	Pleura pulmonalis
Impressio cardiaca	Pleura parietalis
Impressio aortica	Pleura mediastinalis
Impressio oesophagae [oesophageae]	Pleura pericardiaca
Sulcus venae caevae caudalis	Pleura costalis
Facies diaphragmatica	Pleura diaphragmatica
Facies interlobares	Recessus pleurales
Margo dorsalis [obtusus]	Recessus costodiaphragmaticus
Margo acutus	Recessus costomediastinalis
Margo ventralis	Recessus humbodiaphragmaticus
Margo basalis <sup>47</sup>	Recessus mediastinodiaphragmaticus
Hilus pulmonis	
Radix pulmonis	Lig. pulmonale
Incisura cardiaca pulmonis dextri	Mediastinum
Incisura cardiaca pulmonis sinistri	Mediastinum craniale
Lobus cranialis [pulmonis dextri] <sup>44</sup>	Mediastinum ventrale
Pars cranialis	Mediastinum medium
Pars caudalis	Mediastinum dorsale
Lobus cranialis [pulmonis sinistri] <sup>44</sup>	Mediastinum caudale
Pars cranialis [Culmen]	Fenestrae mediastini (Car, eq)
Pars caudalis [Lingula]	Cavum mediastini serosum
Lobus medius [pulmonis dextri]	(Bursa infracardiaca)
Lobus caudalis <sup>44</sup>	Plica venae caevae
Lobus accessorius [pulmonis dextri]	Recessus mediastini <sup>49</sup>
Fissura interlobaris cranialis [pulmonis dextri]	
Fissura interlobaris caudalis	
	<b>SYSTEMA UROGENITALE</b>
	<b>SYSTEMA URNARIUM</b>
<b>Segmenta bronchopulmonalia</b>	<b>Ren [Nephros]</b>
Segmenta dorsalia lobi cranialis	Margo lateralis
Segmenta ventralia lobi cranialis	Margo medialis
Segmenta medialis lobi cranialis	Hilus renalis
Segmenta lateralia lobi cranialis	Sinus renalis
Segmenta lobi medii	Facies ventralis
Segmenta dorsalia lobi caudalis	Facies dorsalis
Segmenta ventralia lobi caudalis	Extremitas cranialis
Segmenta medialis lobi caudalis	Extremitas caudalis
Segmenta lateralia lobi caudalis	Extremitas caudalis
Segmentum accessorium	Fascia renalis
Lobuli pulmonis	
Bronchuli <sup>45</sup>	
Bronchuli respiratorii	

Click on term to read footnote

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NOMINA ANATOMICA VETERINARIA (2017)

SPLANCHNOLOGIA

Capsula adiposa	Tunica muscularis
Capsula fibrosa	Tunica mucosa
Lobi renis	Gll. uretericae (eq)
Cortex renis	
Lobuli corticales	<b>Vesica urinaria</b>
Pars convoluta	Apex vesicae [Vertex vesicae]
Corpuscula renalia	Corpus vesicae <sup>44</sup>
Glomerula <sup>45</sup>	Cervix vesicae
Pars radiata	Facies dorsalis
Medulla renis	Facies ventralis
Pyramides renales	Lig. vesicae medianum <sup>47</sup>
Basis pyramidis	Lig. vesicae laterale <sup>47</sup>
Papilla renalis	Lig. teres vesicae
Ductus papillares	Tunica serosa
Crista renalis <sup>41</sup>	Tela subserosa
Arta cribrosa	Tunica muscularis [M. detrusor vesicae] <sup>44</sup>
Foramina papillaria	M. pubovesicalis
Columnae renales	M. rectourethralis
Tubuli renales	Tela submucosa
Pelvis renalis <sup>42</sup>	Tunica mucosa
Recessus pelvis (or, Car, ov, cap) <sup>42</sup>	Trigonum vesicae
Calices renales majores (su, bo) <sup>42</sup>	Columna ureterica <sup>49</sup>
Calices renales minores (su, bo) <sup>42</sup>	Ostium ureteris
Gll. pelvis renalis (eq) <sup>42</sup>	Plica ureterica <sup>49</sup>
Recessus terminalis (eq) <sup>42</sup>	Ostium urethrae internum
	<b>ORGANA GENTILIA MASCULINA</b>
<b>Vasa sanguinea renis<sup>42</sup></b>	<b>Testis [Orchis]<sup>42</sup></b>
Arteria renalis	Extremitas capitata
Arteriae interlobares	Extremitas caudata
Arteriae arcuatae	Facies lateralis
Arteriolae rectae	Facies medialis
Arteriae interlobulares	Margo liber
Arteriae intralobulares	Margo epididymialis
Arteriole glomerularis afferens	Tunica albuginea
Retae capillare glomerulare	Mediastinum testis
Arteriole glomerularis efferens	Septula testis
Rami capsulares	Lobuli testis
	Parenchyma testis
<b>Vena renalis</b>	Tubuli seminiferi contorti
Venae interlobares	Tubuli seminiferi recti
Venae arcuatae	Rete testis
Venae interlobulares	(Appendix testis) <sup>41</sup>
Venae intralobulares	
Venulae stellatae	<b>Epididymis</b>
Venulae rectae	Caput epididymidis
Venae capsulares (fo)	Ductuli efferentes testis
<b>Ureter</b>	
Pars abdominalis	
Pars pelvina	
Tunica adventitia	

Click on term to read footnote

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# Nomenclatura Anatômica Veterinária Ilustrada

## NOMENCLATURA ANATÔMICA VETERINÁRIA ILUSTRADA

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280 pranchas  
com 1316 ilustrações



EDITORA  
MANOLE  
LTD.A

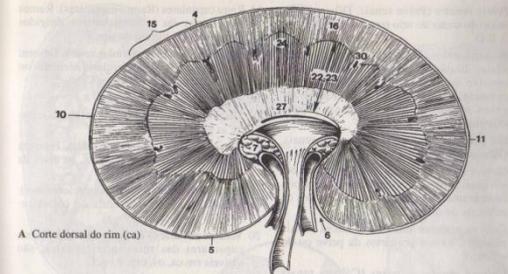
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### Esplancnologia

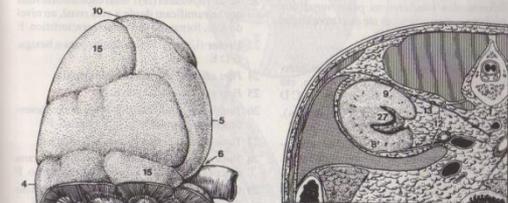
- 1 APPARATUS UROGENITALIS (Aparelho urogenital).
- 2 ORGANA URINARIA (Órgãos urinários).
- 3 Ren (Rim). A B
- 4 *Margo lateralis* (Borda lateral). A B
- 5 *Margo medialis* (Borda medial). A B
- 6 *Hilus renalis* (Hilo renal). Área na borda medial, onde penetram os vasos e o ureter. A B
- 7 *Sinus renalis* (Seio renal). Cavidade existente no rim, ao nível do hilo. Contém tecido adiposo e conjuntivo, que circundam os vasos e a pelve renal. A
- 8 *Facies ventralis* (Face ventral). C
- 9 *Facies dorsalis* (Face dorsal). C
- 10 *Extremitas cranialis* (Extremidade cranial). A B
- 11 *Extremitas caudalis* (Extremidade caudal). A B
- 12 *Fascia renalis* (Fáscia renal). Os dois folhetos que envolvem o rim e a cápsula adiposa. C
- 13 *Capsula adiposa* (Cápsula adiposa). Circunda o rim, externamente à cápsula fibrosa. D
- 14 *Capsula fibrosa* (Cápsula fibrosa). Na face do rim. D
- 15 *Lobi renales* (Lobos renais). Cada um deles consta de uma pirâmide renal e sua cobertura cortical. A lobação é visível no rim em desenvolvimento em todas as espécies, porém apenas em bo esta situação persiste na face. Os lobos renais estão representados, em outros mamíferos adultos, pelas pirâmides renais e pelos vasos interlobares vistos em secção. A B
- 16 *Cortex renis* (Córtex renal). A camada mais externa do rim. Encontra-se sobre as bases das pirâmides renais e entre estas formações, como colunas renais. A B
- 17 *Lobuli corticales* (Lóbulos corticais). Cada lóculo consiste de um raio medular e da parte convoluta circunjacente. D
- 18 *Pars convoluta* (Parte convoluta). Consiste de túbulos contorcidos e de corpúsculos renais. D
- 19 *Corpuscula renis* (Corpúsculos renais). Têm um diâmetro de 0,1-0,3 mm, e consistem de um glomérulo invaginado no interior de uma cápsula. D
- 20 *Glomeruli* (Glomerula) (Glomérulos). Um glomérulo forma um novelo de capilares num corpúsculo renal. D
- 21 *Pars radiata* (Parte radiada). Raios medulares, feixes de túbulos retos que vão desde a medula até o córtex. Cada raio se situa no centro de um lóculo cortical. D
- 22 *Medulla renis* (Medula renal). Formada pelas pirâmides. A
- 23 *Pyramides renales* (Pirâmides renais). A base de cada uma destas pirâmides está localizada no córtex, e o ápice é uma papila renal na pelve, ou no cálice. A B
- 24 *Basis pyramidis* (Base da pirâmide). Revestida pelo córtex. A B
- 25 *Papillae renales* (Papilas renais). Ápices das pirâmides. Estão separadas, cada uma com seu próprio cálice em su e bo; porém se fundem para formar uma crista em Car, ov, cap, e eq. B
- 26 *Ductus papillares* (Ductos papilares). Grandes ductos terminais revestidos por epitélio colunar. B
- 27 *Crista renalis* (Crista renal). Em Car, ov, cap, e eq, as papilas renais se fundem e formam a crista renal. A C
- 28 *Area cribrosa* (Área cribrosa). Área cribriforme da papila ou da crista renal, perfurada pelas aberturas dos ductos papilares. B
- 29 *Foramina papillaria* (Forames papilares). Aberturas dos ductos papilares. B
- 30 *Columnae renales* (Colunas renais). Secções de cristas de tecido cortical estendendo-se até a medula, em torno e entre as pirâmides renais. A
- 31 *Tubuli renales* (Túbulos renais). D

### Esplancnologia

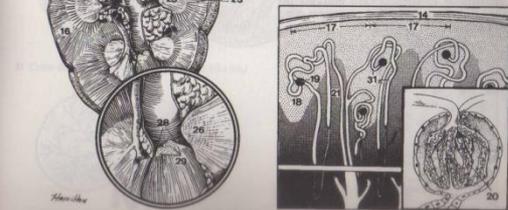
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A Corte dorsal do rim (ca)



C Rim direito in situ, corte transversal (ca)



B Vista dorsal do rim parcialmente seccionado (bo)

D Diagrama histológico do rim



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**Association Mondiale des Anatomistes Vétérinaires (AMAV)**  
**Weltvereinigung der Veterinär Anatomen (WVVA)**  
**Asociación Mundial de Anatomistas Veterinarios (AMAV)**

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#### Featured news and events

##### The Zietzschmann-Preuss Award

Awarded annually for the promotion of veterinary embryological research.

For full details, please refer to the [Zietzschmann-Preuss Award Website](#).

##### Position for researcher/teacher, Vienna

There is a position open for researcher/teacher at the [University of Veterinary Medicine, Vienna](#). More details on the [Events page](#).

##### The 2nd Peruvian Congress of Morphological Sciences

March 7 to 10, 2018 in Lima, Peru. More details on the [Events page](#).

##### 43rd WSAVA Congress & 9th FASAVA Congress

The 43rd WSAVA Congress & 9th FASAVA

## World Association of Veterinary Anatomists

WAVA is an international association representing and promoting all aspects of veterinary anatomy. Its objectives include to amalgamate those working physically or theoretically in any field of domestic animal anatomy, be it gross, microscopic or ultrastructural; to encourage the study of domestic animal anatomy; to promote research and dissemination of new knowledge of veterinary anatomy; to encourage the use of modern methods of teaching in veterinary anatomy; to promote better knowledge of anatomy in applied science and to encourage exchange of information and contacts with all interested persons and organizations. In particular, it encourages active collaboration with the [International Federation of Associations of Anatomists](#) (human anatomy) and the [World Veterinary Association](#).

As the umbrella organisation for the world's veterinary anatomy associations, WAVA has the responsibility for veterinary anatomical nomenclature. It has published, and regularly reviews, volumes for gross anatomy, histology and embryological anatomy - *Nomina anatomica veterinaria*, *Nomina histologica veterinaria* and *Nomina embryologica veterinaria*. It does this through a series of international nomenclature committees.

Membership of WAVA is open to all who work in some way with veterinary anatomy. If this includes you, please consider [membership](#). If you would like more information about WAVA or its activities, please contact the [Secretary General](#).

#### Featured sites and publications

##### Nomina Anatomica Veterinaria 6th Edition – 2017

This edition harmonises the terminology of the NAV, NHV and NEV. These changes are typed in blue for easy identification. Note that this is a text-based version, not the illustrated version available in book form.

[Download here \(1.9MB\)](#)

##### Nomina Histologica Veterinaria 1st Edition – 2017

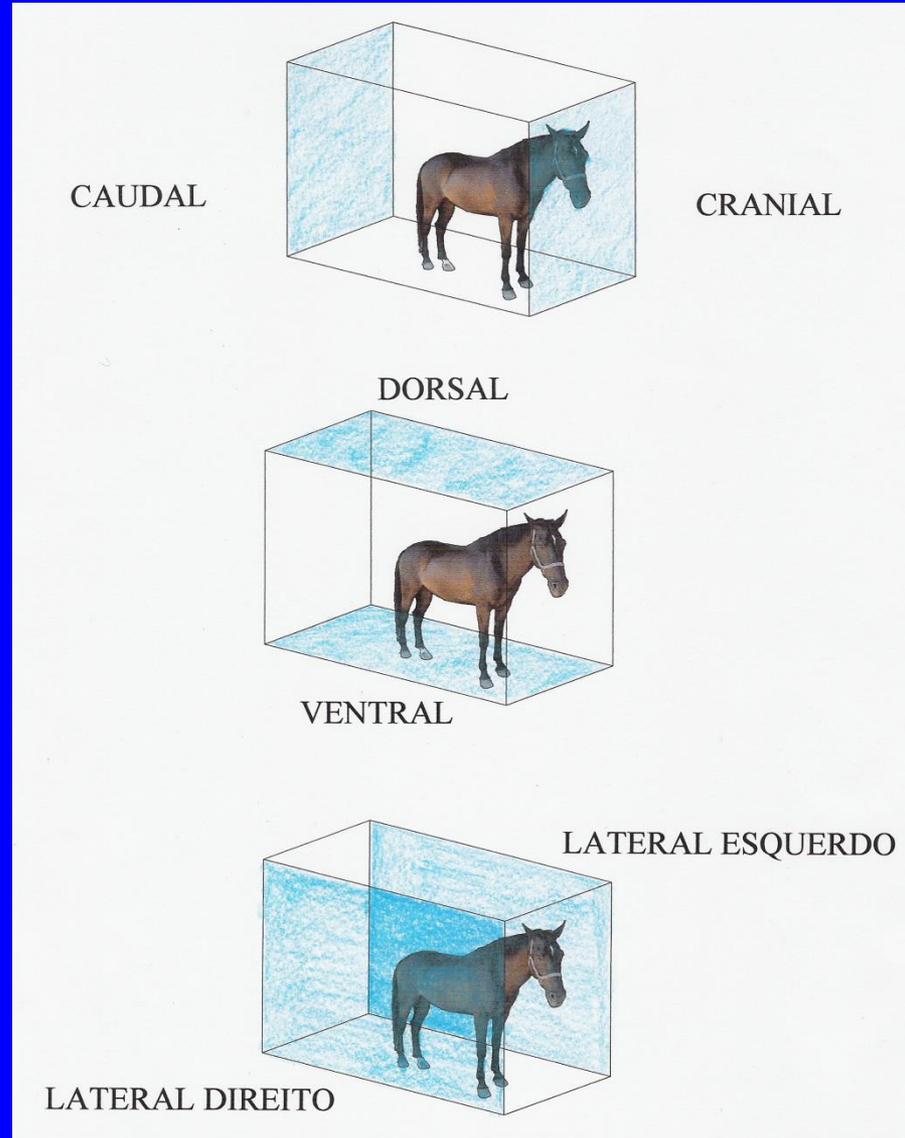
The Nomina Histologica Veterinaria (NHV) is a structured terminology of veterinary cytology, and general and special histology (i.e. microscopic anatomy). All the Latin terms are accompanied by English equivalents. Since this is a 1st edition, feedback is highly welcomed.

[Download here \(1.1MB\)](#)

##### Nomina Embryologica Veterinaria 2nd Edition – revised, 2017

This revised edition of the 2006 NEV attempts to eliminate discrepancies

# Posição Anatômica e Planos de delimitação



# Planos de secção

Figure 1



Figure 3

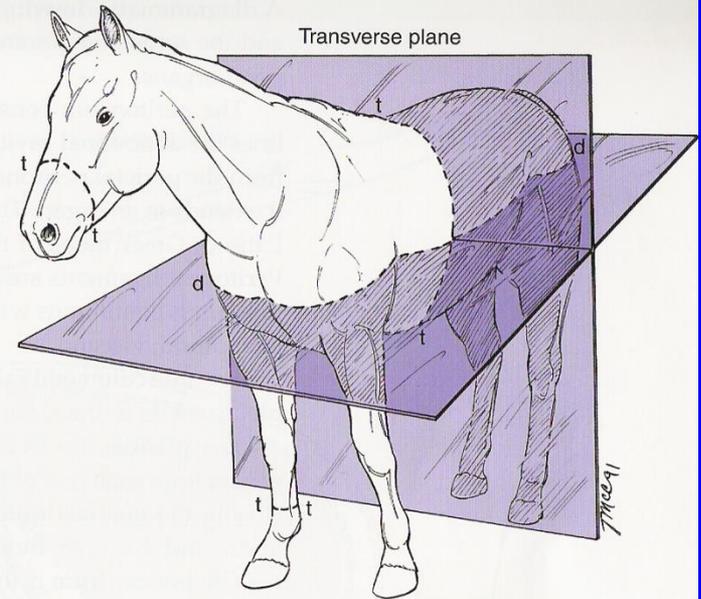
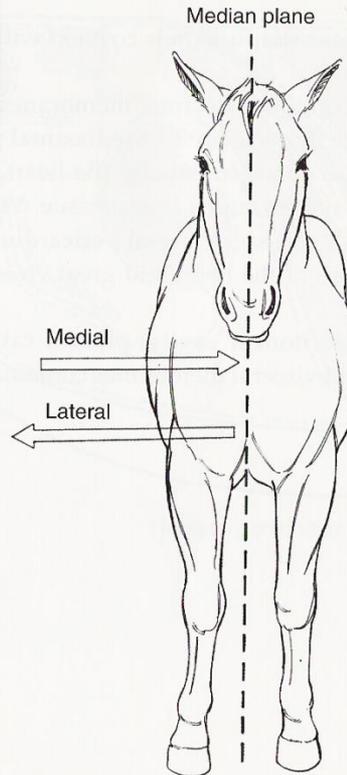


Figure 2



# Planos de secção e termos de direcionamento e posição

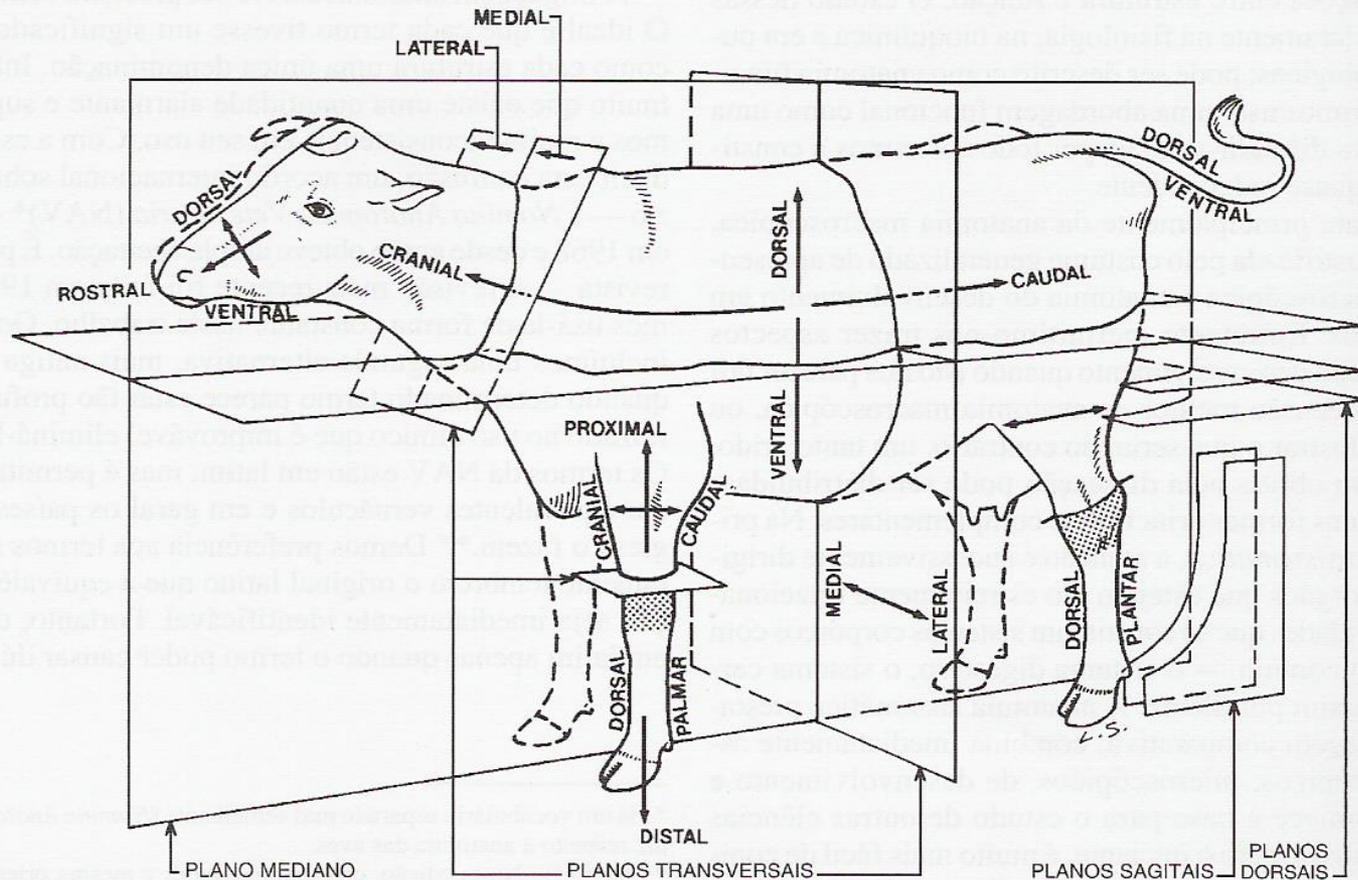


Fig. 1.1 Termos e planos direcionais do corpo do animal. As áreas pontilhadas representam o carpo e o tarso nos membros anterior e posterior, respectivamente.

# **Termos de direcionamento e posição**

**Dorsal x Ventral**

**Cranial (Rostral) x Caudal**

**Lateral x Medial**

**Proximal x Distal**

**Dorsal x Palmar (Plantar)**

**Médio ou Intermédio**

**Mediano**

